

2002 –2012 Occupational Projections			1 st Qtr. 2005
Occupational Title	Minimum Education Requirements	** Total Annual Openings	Hourly Wage Range
Graders and Sorters, Agricultural Products	Work Exp. in a related occ.	20	\$ 7.10 - 10.75
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Work Exp. in a related occ.	40	11.72 - 16.97
Veterinary Assistants and Laboratory Animal Caretakers	Short-term Tng. & Exp.	40	\$ 6.34 - 9.91
Landscaping and Groundskeeping Workers	Short-term Tng. & Exp.	400	6.93 - 10.41
Nonfarm Animal Caretakers	Short-term Tng. & Exp.	70	7.20 - 10.07
Food Batchmakers	Short-term Tng. & Exp.	20	7.33 - 14.65
Tree Trimmers and Pruners	Short-term Tng. & Exp.	30	11.52 - 14.71
Helpers--Extraction Workers	Short-term Tng. & Exp.	80	11.77 - 15.80
Agricultural Equipment Operators	Mod.-term Tng. & Exp.	40	\$ 6.28 - 9.64
Slaughterers and Meat Packers	Mod.-term Tng. & Exp.	20	7.03 - 8.93
Farmworkers, Farm and Ranch Animals	Mod.-term Tng. & Exp.	30	7.06 - 10.97
Roustabouts, Oil and Gas	Mod.-term Tng. & Exp.	100	8.79 - 14.39
Pesticide Handlers, Sprayers, and Applicators, Vegetation	Mod.-term Tng. & Exp.	20	10.45 - 14.09
Logging Equipment Operators	Mod.-term Tng. & Exp.	60	10.95 - 14.29
Service Unit Operators, Oil, Gas, and Mining	Mod.-term Tng. & Exp.	40	11.23 - 20.39
Pump Operators, Except Wellhead Pumps	Mod.-term Tng. & Exp.	50	15.08 - 19.74
First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	Mod.-term Tng. & Exp.	30	15.31 - 24.01
Derrick Operators, Oil and Gas	Mod.-term Tng. & Exp.	70	15.49 - 21.18
Rotary Drill Operators, Oil and Gas	Mod.-term Tng. & Exp.	60	16.79 - 28.84
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Long-term Tng. & Exp.	180	\$ 6.43 - 8.96
Geological and Petroleum Technicians	Associate degree	20	\$ 19.13 - 30.02
Farm, Ranch, and Other Agricultural Managers	Wk Exp.+ Bachelor's or higher degree	30	\$ 22.70 - 29.06

**Total Annual Openings = New job growth plus replacement needs due to turnover.

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Occupations in the Spotlight



Landscaping and Groundskeeping Workers



Workers typically perform a variety of tasks including sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless concrete masonry wall units.

- ◆ Knowledge of machines and tools
- ◆ Knowledge of chemical composition, structure, and properties
- ◆ Able to determine the kind of tools and equipment needed to do a job

Required WorkKeys® Scores:

AM 3 LI 3 RI 4

Roustabouts, Oil and Gas



They assemble or repair oil field equipment using hand and power tools and perform other tasks as needed.

- ◆ Knowledge of machines and tools
- ◆ Knowledge of practical application of engineering science and technology
- ◆ Knowledge of materials, methods, and tools involved in the construction or repair of houses, buildings, or other structures

Required WorkKeys® Scores:

AM Not Yet Available LI Not Yet Available RI Not Yet Available

AM = Applied Mathematics
LI = Locating Information
RI = Reading for Information

WorkKeys® assessments give students and workers reliable, relevant information about workplace skill levels. Combined with information about skill levels required for jobs, assessments information can help students make better career and educational decisions. Louisiana uses three WorkKeys® assessments as the foundation for awarding career readiness certificates. For more information, contact the Workforce Education and Training Office at the Louisiana Board of Regents (225-342-4253).

LOUISIANA
Opportunities in

This diverse Career Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional services.

FASTEST GROWING JOBS

- 👤 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers
- 👤 Tree Trimmers and Pruners
- 👤 Nonfarm Animal Caretakers
- 👤 Pump Operators, Except Wellhead Pumps
- 👤 Landscaping and Groundskeeping Workers

Louisiana Department of Labor
Office of Occupational Information Services
P.O. Box 94094
Baton Rouge, LA 70804-9094
Phone (225) 342-3141
TDD Toll Free (866) 277-9317
FAX (225) 342-9192

"This document was produced as a collaborative endeavor between the Louisiana Departments of Labor, Education and the Board of Regents".

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Reference Center:

Louisiana Department of Labor -
<http://www.LAWORKS.net>

Occupational Information – go to Career Services
<http://lavos.laworks.net>

Louisiana Employment Outlook -
http://www.laworks.net/qm_employmentprojections.asp

Louisiana Technical Colleges -
<http://www.ltc.edu/home.htm>

Financial Aid
<http://www.osfa.state.la.us/>

Louisiana Board of Regents-
<http://www.regents.state.la.us>

Louisiana Community & Technical College System
<http://www.lctcs.net/>

ACT
<http://www.act.org>

National Career Clusters
<http://www.careerclusters.org>



This brochure is designed to provide assistance to students as they prepare to make decisions about course selection, their career options and future plans.

The Career Options Law (Act 1124) mandates that all high school students have a five-year educational plan and that all high schools offer career majors/areas of concentrations. It is the intent of the law that students have a focus while in school to help make learning more relevant and meaningful.

Students in 6th – 8th grades must complete at least six career awareness activities which help students to develop a five-year educational plan. It also requires school systems to offer areas of concentrations to address students' interests.

The Five-Year Educational Plan

Students must complete this plan at the end of their 8th grade year with input from their counselor and/or advisor and family. This plan must be reviewed and revised on an annual basis throughout high school with student, parent and counselor/advisor signatures each year.

Agriculture, Food and Natural Resources Cluster High School Areas of Concentrations (2006 – 2007)

Diploma Endorsements will help provide for students the preparation necessary for college and/or a career. By the same token employers will be getting better prepared workers, and higher education institutions will have students better prepared for success in their post secondary institutions. These endorsements help students to maximize their 11th and 12th grades, encourage more students to take Advanced Placement courses, encourage students to take advantage of career and technical education courses and opportunities, as well as hold high schools accountable for what is taught during the 11th and 12th grades. Students can complete the necessary requirements for two different diploma endorsements:

- Academic Endorsement
- Career and Technical Endorsement

Please see your guidance counselor for further details.

The Louisiana WORKReady! Certificate is a portable credential that signifies to an employer that an individual has achieved acceptable levels in the foundation skills necessary for success in the workplace and gives Louisiana citizens a "key to work". Issued by the Workforce Commission, the Certificate is a tool that helps employers identify qualified candidates to fill the openings they have in their businesses.

People who attain the Certificate, which will display their workplace readiness skill levels, will have an advantage as they pursue their career goals. The Certificate increases the likelihood that business will receive a well-trained, highly skilled worker and that education will prepare students for available jobs. For more information, contact the Workforce Commission at 225-342-2094 or the Board of Regents at 225-342-4253.

Career Cluster

Agriculture, Food and Natural Resources

Areas of Concentrations

Agriculture Production
Agriculture Management
Animal Science
Forestry and Conservation
Horticulture
Landscaping

Post Secondary Programs

Agriculture/Agricultural Science, General
Farm & Ranch Management
Forestry and Related Sciences
Agricultural Production Workers & Mgrs.
Fishing and Fisheries Sciences & Mgmt.
Food Science & Technology
Agriculture Business & Management
Agricultural Extension
Agriculture Business & Production
Agricultural Economics
Agricultural Animal Breeding and Genetics
Agricultural Animal Health
Plant Science
Horticulture

Training Programs Related

Certification(s):

Certified Landscape Technician
Certified Landscape Technician Interior
Horticulturist License
Retail Florist License

For more information on course selection
visit our web site:

<http://www.doe.state.la.us/ldc/curriculum/home.html>

TOP EMPLOYING INDUSTRIES

Industry (based on North American Classification System NAICS)	2002	2012	Number of New Jobs	Percent Change
Support Activities for Mining	33,842	35,080	1,238	3.7%
Services to Buildings and Dwellings	19,081	24,820	5,739	30.1%
Local Government	86,322	93,520	7,198	8.34%